

General Purpose Switching Relays

Installation Instructions

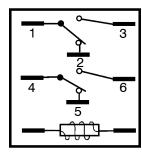
Supco series 903 relays are double pole, double throw (DPDT) devices primarily used for various applications in heating, air conditioning and refrigeration. They are also suitable for general purpose switching applications in appliance vending machines, fan controls and business machines provided the device being controlled is within the electrical limits of the relay.

REPLACEMENT PROCEDURE:

- 1. CAUTION: Disconnect power supply before servicing equipment.
- 2. Identify and remove wires from defective relay.
- 3. Remove defective relay and install Supco replacement.
- 4. Refer to switch diagrams below and connect wires accordingly.
- 5. Restore power and check operation.

Caution: Do not exceed contact ratings.

Do not connect power contacts to pilot duty contacts.



| Contact Rating | Power | | Pilot | |
|-------------------|----------|------|----------|------|
| | 208/240V | | 208/240V | |
| | 120V | 277V | 120V 2 | 277V |
| Full Load Amps | 12 | 6 | - | - |
| Resistive Amps* | 15 | 15 | 3 | 3 |
| Locked Rotor Amps | 60 | 35 | - | - |
| Horsepower | 3/4 | 3/4 | 1/10 | 1/10 |

^{*0.75} power factor

Terminals 1 & 2, 4 & 5 are normally closed Terminals 1 & 3, 4 & 6 are normally open

| Supco | Coil | Terminal | Terminals | Cross Reference | |
|-------|---------|----------|-----------|-----------------|------------|
| No. | Voltage | 1-2-3 | 4-5-6 | Essex/RBM | Honeywell |
| 90340 | 24 | power | power | 90-340 | R8222D1014 |
| 90341 | 110/120 | power | power | 90-341 | R4222D1013 |
| 90342 | 208/240 | power | power | 90-342 | R4222N1021 |